Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state thousand gallons per day

	Conventional					
	Sales to end use	ers	Sales for resale			
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bul	
United States						
November 2017	14,968.5	15,238.5	4,377.0	185,065.4	17,332.	
October 2017	15,251.0	15,501.5	4,714.7	186,806.5	14,680.9	
November 2016	15,289.0	15,518.8	4,822.6	182,664.0	14,595.	
PAD District 1						
November 2017	W W	W	W	49,825.3	V	
October 2017	W W	W	W	50,481.8		
November 2016	W	W	W	49,129.1	W	
Subdistrict 1A						
November 2017	-	-	W	W		
October 2017	-	-	W	W		
November 2016	-	-	W	W		
Connecticut						
November 2017 October 2017		- 				
November 2016		· ·				
Maine	-	-	-	-		
November 2017			W	W		
October 2017		_		W		
November 2016	<u>-</u>	· -	vv	W		
Massachusetts			**	••		
November 2017	_	_	_	_		
October 2017				<u>-</u>		
November 2016		· ·				
New Hampshire						
November 2017	-	-	W	W		
October 2017	-		W	W		
November 2016	-		W	W		
Rhode Island						
November 2017	-	-	-	-		
October 2017		.				
November 2016	-	-	-	-	-	
Vermont						
November 2017	-	-	W	W		
October 2017	-	-		W		
November 2016	-	-	W	W	-	
Subdistrict 1B						
November 2017	W	W	W	W	W	
October 2017	W W	W	W	W	W	
November 2016	W	W	W	W	1,087.3	
Delaware						
November 2017	-	-				
October 2017	- -	-	-			
November 2016	-	-	-	-		
District of Columbia						
November 2017		-	-			
October 2017	 _ 	-	-			
November 2016	-	-	-	-	-	
Maryland						
November 2017		- 	_ 	\bar{M}		
October 2017	-	-	-	W		
November 2016	-	-	-	W	W	
New Jersey						
November 2017	_	-	-	-	M	
October 2017	-	-	-		W	
November 2016	-	-	-	-	207.3	
New York November 2017	W	W	W	W	W	
October 2017	w w					
November 2016	W		vv	W W	W	
Pennsylvania	vv	vv	VV	vv	V	
November 2017	W	W	_	W	W	
October 2017		M	-	W		
November 2016			-		W	
	VV	v v		VV	VV	

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

	Reformulated				
	Sales to end users			les for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bu
United States					
November 2017	9,012.3	9,038.3	17,498.1	77,321.2	3,567.
October 2017	9,382.5	9,405.3	17,576.8	78,464.3	3,654.
November 2016	9,075.5	9,099.6	17,719.3	76,221.5	3,559.
PAD District 1					
November 2017	W	W	W	27,469.4	1
October 2017	W	w	W	27,461.9	,
November 2016	W	W	W	26,725.6	
Subdistrict 1A					
November 2017	W	W	-	W	,
October 2017		W	<u>-</u>	W	
November 2016	W	W	W	W	
Connecticut					
November 2017		W		2,080.4	N
October 2017	_	W		2,187.1	N
November 2016	-	W	W	2,489.8	\
Maine					
November 2017	_				
October 2017		-		W	
November 2016	-	-	-	W	
Massachusetts					
November 2017	W	W		1,049.8	
October 2017		W		996.9	
November 2016	W	W	W	W	
New Hampshire					
November 2017					
October 2017	W	W			
November 2016	W	W	-	-	
Rhode Island					
November 2017	W	W	-	W	
October 2017	W	W	-	W	
November 2016	W	W	W	858.7	'
Vermont					
November 2017		-			
October 2017	-				
November 2016	-	-	-	-	
Subdistrict 1B					
November 2017		W	W	W	}
October 2017		W	<u>W</u>	W	
November 2016	W	W	W	W	`
Delaware					
November 2017		W	-	1,132.8	
October 2017	<u>W</u>		-	1,162.9	
November 2016	W	W	-	1,086.2	
District of Columbia					
November 2017		-			
October 2017		-			
November 2016	-	-	-	-	
Maryland					
November 2017				W	
October 2017				W	
November 2016	-	W	W	W	
New Jersey					
November 2017	<u>W</u>		W	7,317.2	
October 2017	<u>W</u>			<u>W</u>	
November 2016	W	W	W	W	
New York					
November 2017	W	W	<u>W</u>	W	
October 2017	W	W	<u>W</u>	W	
November 2016	W	W	W	W	
Pennsylvania					
November 2017	W	W	-	W	'
October 2017	W		-		
November 2016	W	W		W	\

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

	All formulations					
	Sales to end users		Sales for resale			
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bull	
United States						
November 2017	23,980.9	24,276.8	21,875.1	262,386.5	20,900.3	
October 2017	24,633.5	24,906.8	22,291.5	265,271.0	18,335.1	
November 2016	24,364.5	24,618.4	22,541.9	258,885.5	18,154.5	
PAD District 1						
November 2017	8,066.2	8,118.5	W	77,294.7	W	
October 2017	8,235.5	8,287.1	W	77,943.7	W	
November 2016	8,143.8	8,161.0	W	75,854.7	W	
Subdistrict 1A						
November 2017	W	W	W	W	W	
October 2017			W	4,896.2	W	
November 2016	W	W	W	4,919.5	W	
Connecticut				,		
November 2017	-	W	-	2,080.4	N/	
October 2017	<u>-</u>		-	2,187.1	NA	
November 2016	<u>-</u>		W	2,489.8		
Maine						
November 2017	-	-	W	W		
October 2017	-		W	W		
November 2016			W	W		
Massachusetts						
November 2017	W	W	_	1,049.8		
October 2017		W	·	996.9		
November 2016	 	W	W	W		
New Hampshire		**		••		
November 2017	W	W	W	W		
October 2017						
November 2016						
Rhode Island	VV	vv	**	**		
November 2017	W	W		NA	W	
October 2017	W	W	-	NA NA		
November 2016	W		.	858.7		
Vermont	VV	VV	vv	838.7	V	
November 2017			W	W		
October 2017						
November 2016						
				••		
Subdistrict 1B	4.069.4	4.069.4	W	24.996.1	W	
November 2017	4,068.4	4,068.4		24,886.1		
October 2017	4,108.8	4,108.8		25,288.3	M	
November 2016	3,960.0	3,961.0	W	24,068.6	W	
Delaware	NA/	\\\\		1 122 0		
November 2017				1,132.8		
October 2017		W		1,162.9		
November 2016	W	W	=	1,086.2		
District of Columbia						
November 2017	-		-	-		
October 2017	-		-	-		
November 2016	-	-	-	-	•	
Maryland						
November 2017						
October 2017			<u></u>	4,731.3		
November 2016	-	W	W	4,286.5	W	
New Jersey						
November 2017				7,317.2	<u>M</u>	
October 2017		W			1,135.5	
November 2016	W	W	W	W	207.3	
New York						
November 2017	2,511.6	2,511.6	W	5,857.0		
October 2017	2,541.0	2,541.0	W	5,919.8		
November 2016	2,428.8	2,429.0	W	5,728.0	W	
Pennsylvania						
November 2017	W	W		W	W	
October 2017	W	W	.	W	W	
November 2016	W	W	-	W	W	

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

			nventional		
_	Sales to end users			es for resale	
eographic area month	Through retail outlets	Total[a]	DTW	Rack	Ви
ubdistrict 1C					
November 2017	W	W	-	W	,
October 2017	W	W	<u>-</u>	43,377.6	96
November 2016		W	w	42,561.8	
	**	**	**	42,301.0	
Florida				45.000.5	
November 2017	W	\bar{w}	-	15,392.5	
October 2017	W	W	-	15,383.0	
November 2016	W	W	-	15,955.8	
Georgia					
November 2017	W	W	-	9,048.7	
October 2017	W	W		W	
November 2016		75.7	W	 W	
	VV	73.7	VV	VV	
North Carolina					
November 2017	W	W	-	W	
October 2017	W	W	<u>-</u>	W	
November 2016	W	W	-	9,795.0	
South Carolina				,	
	\A/	W		\A/	
November 2017			-	W	
October 2017		W	-	4,949.2	
November 2016	W	W	-	4,343.5	
Virginia					
November 2017	W	W	_	W	
October 2017	W	W		W	
					
November 2016	W	W	-	W	
West Virginia					
November 2017	W	W		677.4	
October 2017	W	W	-	647.6	
November 2016		W		832.7	
November 2010	**	**		032.7	
AD District 2					
November 2017	W	W	W	W	1,33
October 2017	7,223.4	W	W	W	
November 2016	W	W	W	 	
	vv	**	**	**	
Illinois					
November 2017	W	W	-	3,907.8	
October 2017	W	W	-	W	
November 2016	W	32.9	-	W	
Indiana					
November 2017	W	W	_	W	
October 2017	 	W			
					
November 2016	W	W	-	W	
lowa					
November 2017	-	W	-	3,091.8	
October 2017		W	<u>-</u>	2,957.2	
November 2016		W		3,243.8	
	-	VV	-	3,273.0	
Kansas					
November 2017	W W	W	-	W	
October 2017	W W	W	-	W	
November 2016	W	W	<u>-</u>	4,318.1	19
Kentucky	•			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	14/	14/		14/	
November 2017		W	.		
October 2017	W	W	-	W	
November 2016	W	W	-	W	
Michigan					
November 2017	W	W	-	W	
October 2017					
		W			
	W	W	-	W	
November 2016					
			W	5,300.0	
Minnesota	W	W			
Minnesota November 2017	WW	WW			
Minnesota November 2017 October 2017		W	W	5,454.7	
Minnesota November 2017 October 2017 November 2016					
Minnesota November 2017 October 2017 November 2016 Missouri		WW	W	5,454.7 5,642.8	
Minnesota November 2017 October 2017 November 2016		W	W	5,454.7 5,642.8 2,905.8	
Minnesota November 2017 October 2017 November 2016 Missouri		WW	W	5,454.7 5,642.8	

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

			nventional		
_	Sales to end users			es for resale	
eographic area month	Through retail outlets	Total[a]	DTW	Rack	Ви
ubdistrict 1C					
November 2017	W	W	-	W	,
October 2017	W	W	<u>-</u>	43,377.6	96
November 2016		W	w	42,561.8	
	**	**	**	42,301.0	
Florida				45.000.5	
November 2017	W	\bar{w}	-	15,392.5	
October 2017	W	W	-	15,383.0	
November 2016	W	W	-	15,955.8	
Georgia					
November 2017	W	W	-	9,048.7	
October 2017	W	W		W	
November 2016		75.7	W	 W	
	VV	73.7	VV	VV	
North Carolina					
November 2017	W	W	-	W	
October 2017	W	W	<u>-</u>	W	
November 2016	W	W	-	9,795.0	
South Carolina				,	
	\A/	W		\A/	
November 2017			-	W	
October 2017		W	-	4,949.2	
November 2016	W	W	-	4,343.5	
Virginia					
November 2017	W	W	_	W	
October 2017	W	W		W	
					
November 2016	W	W	-	W	
West Virginia					
November 2017	W	W		677.4	
October 2017	W	W	-	647.6	
November 2016		W		832.7	
November 2010	**	**		032.7	
AD District 2					
November 2017	W	W	W	W	1,33
October 2017	7,223.4	W	W	W	
November 2016	W	W	W	 	
	vv	**	**	**	
Illinois					
November 2017	W	W	-	3,907.8	
October 2017	W	W	-	W	
November 2016	W	32.9	-	W	
Indiana					
November 2017	W	W	_	W	
October 2017	 	W			
					
November 2016	W	W	-	W	
lowa					
November 2017	-	W	-	3,091.8	
October 2017		W	<u>-</u>	2,957.2	
November 2016		W		3,243.8	
	-	VV	-	3,273.0	
Kansas					
November 2017	W W	W	-	W	
October 2017	W W	W	-	W	
November 2016	W	W	<u>-</u>	4,318.1	19
Kentucky	•			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	14/	14/		14/	
November 2017		W	.		
October 2017	W	W	-	W	
November 2016	W	W	-	W	
Michigan					
November 2017	W	W	-	W	
October 2017					
		W			
	W	W	-	W	
November 2016					
			W	5,300.0	
Minnesota	W	W			
Minnesota November 2017	WW	WW			
Minnesota November 2017 October 2017		W	W	5,454.7	
Minnesota November 2017 October 2017 November 2016					
Minnesota November 2017 October 2017 November 2016 Missouri		WW	W	5,454.7 5,642.8	
Minnesota November 2017 October 2017 November 2016		W	W	5,454.7 5,642.8 2,905.8	
Minnesota November 2017 October 2017 November 2016 Missouri		WW	W	5,454.7 5,642.8	

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

	Reformulated						
	Sales to end users		Sales for resale				
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bul		
Subdistrict 1C							
November 2017	-	-	-	4,465.9			
October 2017	-	-	-	4,381.7			
November 2016			-	4,304.7			
Florida				,			
November 2017							
							
October 2017				- 			
November 2016	-	-	-	-			
Georgia							
November 2017	-	-	-	-			
October 2017	-	-	-	-			
November 2016	-	-	-	-			
North Carolina							
November 2017	-	_	_	-			
October 2017							
November 2016				<u>-</u>			
South Carolina							
November 2017		-	-				
October 2017		-	-	-			
November 2016	-	-	-	-			
Virginia							
November 2017	-	-	-	4,465.9			
October 2017			<u> </u>	4,381.7			
November 2016				4,304.7			
West Virginia				4,304.7			
November 2017	-		-	-			
October 2017		-	-	-			
November 2016	-	-	-	-			
PAD District 2							
November 2017	W	W	_	W	١		
October 2017		vv		- v	'		
				vv			
November 2016	W	W	-	VV	'		
Illinois							
November 2017		W	-	W			
October 2017	W	W	-	W			
November 2016	W	W	-	W	\		
Indiana							
November 2017	W	W	-	934.2			
October 2017		w		912.5			
November 2016	 			1,017.2			
	VV	VV		1,017.2			
Iowa							
November 2017		_ 		-			
October 2017		-	-	-			
November 2016	-	-	-	-			
Kansas							
November 2017	_	_	_	_			
October 2017							
November 2016	-	-	-	-			
Kentucky							
November 2017		W	-	787.4			
October 2017		W	-	782.5			
November 2016	W	W	-	W			
Michigan							
November 2017	_	_	-	_			
October 2017							
November 2016							
	-	-	-	-			
Minnesota							
November 2017		_ 	-	-			
October 2017	- -	-	-	-			
November 2016	-	-	-	-			
Missouri							
November 2017	-			886.1			
October 2017			<u>-</u>	786.8			
November 2016				W			
NOVCHIDE ZUIU	-	-	-	VV			

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

Subdistrict IC November 2017 W W W 4,779.33 98 Movember 2016 W W 4,779.33 98 Florida W W 4,8866.6 98 Florida W W 4,8866.6 98 Florida W W 5,383.0 98 Florida W W 5,383.0 98 Showember 2017 W W 5,585.8 98 Georgia W W 5,595.8 98 Georgia W W 5,048.7 99 Cutchez 2017 W W W 9,048.7 99 November 2016 W W 9,795.0 99 South Carolina November 2015 W W 9,795.0 99 November 2017 W W W 9,995.0 99 November 2017 W W W 9,4343.5 99 November 2017 W W W 9,4343.5 99 November 2015 W W 9,4343.5 99 November 2015 W W 9,4343.5 99 November 2016 W W 9,4343.5 99 November 2017 W		All formulations						
Subdistrict IC		Sales to end users		Sal	les for resale			
November 2017 W W - 4779-3 9 November 2016 W W W 40,866.6	Geographic area month T	hrough retail outlets	Total[a]	DTW	Rack	Bul		
October 2017 W W - 4,759-3 98	Subdistrict 1C							
November 2015		w	W	.		W		
Florida	October 2017	W	W		47,759.3	96.6		
November 2017 W W W . 15,392.5 October 2017 W W W . 15,558.8 October 2017 W W W . 15,558.8 October 2017 W W W . 10, 15,558.8 October 2017 W W W . 2 . 90,8.7 October 2017 W W W . 3 . 4	November 2016	W	W	W	46,866.6	V		
October 2017 W W 15,383.0 Kowember 2015 W W 9,948.7 November 2017 W W W 9,948.7 October 2016 W W W W November 2016 W W W W North Carolina W W W W November 2017 W W W W November 2017 W W W W November 2017 W W W 4,349.2 November 2018 W W 9 77.4 November 2016 W W 9 77.4 November 2017 W W W 77.4	Florida							
October 2017 W W 15,383.0 Kowember 2015 W W 9,948.7 November 2017 W W W 9,948.7 October 2016 W W W W November 2016 W W W W North Carolina W W W W November 2017 W W W W November 2017 W W W W November 2017 W W W 4,349.2 November 2018 W W 9 77.4 November 2016 W W 9 77.4 November 2017 W W W 77.4	November 2017	W	W	-	15,392.5			
November 2015 W W W P. 9,048.7	October 2017			<u>-</u>				
Sergis	November 2016			<u>-</u>				
November 2017	Georgia				-,			
October 2017 W W 75.7 W W November 2016 W 75.7 W W November 2017 W W W 9,795.0 November 2016 W W 9,795.0 South Carolina W W 4,992. November 2017 W W 4,992. November 2016 W W 4,992. November 2016 W W 4,949. November 2017 W W 4,949. November 2016 W W 4,949. November 2017 W W W November 2017 W W W W November 2017 W W 677.4 C November 2017 W W 677.4 C November 2017 W W W 832.7 PAD District 2 W W 8367.2 November 2017 W 8,986.1 W <td< td=""><td></td><td>\\/</td><td>\\/</td><td></td><td>9.048.7</td><td></td></td<>		\\/	\\/		9.048.7			
November 2015 W 75.7 W W North Carolina						v		
North Carolina November 2017 W W W W Part 2017 W W W Part 2016 W W Part 2017 Part 2017 W W W Part 2017 Part 2017 Par				·		•		
November 2017 W W P P P		vv	75.7	vv	VV			
October 2017 W W 9,795.0 South Gracina W W 9,795.0 November 2017 W W W 4,349.2 November 2016 W W 4,343.5 Virginia W W W W November 2017 W W W W Movember 2017 W W W W Movember 2018 W W W W West Virginia W W 677.4 W November 2017 W W W 677.4 October 2017 W W W 647.6 November 2016 W W 9 382.7 PAD District 2 W 8,386.2 W 83,774.7 November 2017 W 8,901.2 W 83,867.2 October 2017 W 8,901.2 W 83,774.7 November 2017 W 8,886.4 W 8,705.1		14/	14/		14/			
November 2016				-				
South Carolina				-				
November 2017 W W W - 9,8945.2 November 2016 W W W - 9,8945.2 November 2016 W W W - 9,8945.2 November 2017 W W W - 647.6 November 2017 W W W - 833.7 November 2017 W W W W - 833.7 November 2017 W W 8,991.2 W 8,3861.2 November 2017 W W 8,896.4 W 8,377.4 November 2017 W W 8,896.4 W 8,377.4 November 2017 W W 8,896.4 W 8,377.4 November 2017 W W W W - 9 W 8,105.1 November 2017 W W W W - 9 W W - 9 W W - 9 W W - 9 W W - 9 W W - 9 W W - 9 W W W - 9 W		W	W	-	9,795.0			
October 2017 W W 4,343.5 Virginia W W 4,343.5 November 2017 W W W W October 2017 W W W W West Virginia W W G677.4 W November 2017 W W G677.4 G676. November 2017 W W G677.4 G677.4 October 2017 W W G677.6 G677.4 November 2016 W W G677.6 G677.6 November 2016 W W G832.7 W PAD District 2 W 83,862.2 W 33,774.7 November 2016 W 8,901.2 W 83,774.7 November 2016 W 83,774.7 November 2017 W 8,366.4 W 83,774.7 November 2016 W 84,105.1 IIII. III. III. III. III. III. III. W 4,105.1 III.								
November 2015 W				-				
Virginia W - W October 2017 W W W November 2016 W W W West Virginia W G77.4 November 2017 W W 647.6 November 2017 W W 657.4 November 2018 W W 83.87.2 October 2017 W 8,86.4 W 83,874.2 November 2017 W 8,86.4 W 83,774.7 November 2017 W 8,86.4 W 83,774.7 November 2017 W 8,86.4 W 83,774.7 November 2017 W W W W November 2017 W W W 2,957.2 November 2017 W W 2,957.2	October 2017	W	W	-	4,949.2			
November 2017	November 2016	W	W	-	4,343.5			
November 2017	Virginia							
October 2017 W W W W W W W W W W W W W W B 677.4 Cotober 2017 W W W 647.6 W S3.2,7 W S3.2,7 W S3.2,7 W S3.2,7 W S3.867.2 Cotober 2017 W S.866.4 W S3.77.7 November 2017 W S.866.4 W S3.77.7 November 2017 W S.866.4 W S3.77.7 November 2017 W S.866.7 S.975.5 W 84.105.1 IIII. III. III. III. III. III. III. W <td< td=""><td></td><td>W</td><td>W</td><td>-</td><td>W</td><td>\</td></td<>		W	W	-	W	\		
November 2015 W W V C F77.4						\		
West Virginia November 2017 W W - 677.4 677.4 670.7 677.4 677.5 67								
November 2017 W W W - 677.4 Cotaber 2016 W W W - 647.6 November 2016 W W W - 647.6 November 2016 W W W - 647.6 November 2017 W W 8.30.2 November 2017 W 8.30.2 Cotaber 2017 W 8.38.64 W 8.37.7 November 2016 8.846.7 November 2016 8.846.7 November 2016 W W W 8.30.5 Illinois November 2017 W W W W - W W - W W November 2017 W W W W - W W W - W W November 2017 W W W W - W W W - W W W W - W W W W W		**	vv		**	`		
October 2017 W W - 647.6 MS2.7 November 2016 W W 832.7 S32.7 S32.7 <td></td> <td>14/</td> <td>14/</td> <td></td> <td>677.4</td> <td></td>		14/	14/		677.4			
November 2016 W W B, 832.7				-				
November 2017				-				
November 2017	November 2016	W	W	-	832.7			
November 2017	PAD District 2							
October 2017 W		W	8.901.2	W	83.867.2	V		
November 2016 8,846.7 8,975.5 W 84,105.1						V		
Illinois						v		
November 2017 W		0,040.7	0,373.3	**	04,103.1	•		
October 2017 W W - W November 2016 W W - W Indiana W W - W November 2017 W W - W November 2016 W W - W Iowa W - W - W Iowa W - 3,091.8 - W Iowa W - 3,091.8 - - W Iowa W - 3,091.8 - - W Iowa W - 3,091.8 - - W Iowa W - 3,243.8 - - - W - - - W - - W - - W - - - W - - - - - - - - - - - - </td <td></td> <td></td> <td></td> <td></td> <td>***</td> <td></td>					***			
November 2016				-		N		
November 2017 W W Cotober 2017 W W W Cotober 2017 W W W Cotober 2017 W W W Cotober 2016 W W W Cotober 2016 W W W Cotober 2017 W Cotober 2017 W Cotober 2017 W Cotober 2017 W W W S,454.7 S,642.8 S Missouri November 2016 W W W S,642.8 Missouri November 2016 W W W S,642.8 Missouri November 2017 Cotober 2017 W W W S,642.8 Missouri November 2017 Cotober 2017 Cotobe				-				
November 2017 W W W - W W W November 2016 W W W - W W W W W W		VV	VV	-	W	\		
October 2017 W W W C W Iowa W W - W November 2017 - W - 3,091.8 October 2017 - W - 2,957.2 November 2016 - W - 3,243.8 Kansas W W - W November 2017 W W - W November 2016 W W - W Kentucky - W - W November 2017 W W - W November 2017 W W - W November 2016 W W - W Michigan W W - W November 2017 W W - W October 2017 W W - W November 2016 W W W - W								
November 2016 W W C W W C W W C November 2017 C W C C C C C C C C						V		
November 2017 Control				-				
November 2017	November 2016	W	W	-	W	\		
October 2017 - W - 2,957.2 November 2016 - W - 3,243.8 Kansas November 2017 W W - W October 2017 W W - W November 2016 W W - W November 2017 W W - W October 2017 W W - W Michigan W W - W November 2017 W W - W November 2017 W W - W November 2017 W W - W November 2016 W W - W Missouri W W - W November 2017 W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W <td< td=""><td>Iowa</td><td></td><td></td><td></td><td></td><td></td></td<>	Iowa							
November 2016 Family Control of the Control of	November 2017	-	W	-	3,091.8			
November 2016 Family Control of the Control of	October 2017	-	W	-	2,957.2			
November 2017 W W C W W C W W C W W				<u>-</u>				
November 2017 W W - W October 2017 W W - W November 2016 W W - 4,318.1 196 Kentucky Section W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W - W - W - W - W - W - W - W - - W - - W - - - - - - - -					5,2 :5:5			
October 2017 W W - W 4,318.1 196 Kentucky W W - 4,318.1 196 Kentucky W W - W W - W OW Description W W - W W - W W - W W - W W - W W - W W - W - W - W - W - W - W - W - W - - W - W - - W - - W -		\\/	14/		\\/	V		
November 2016 W W - 4,318.1 196 Kentucky November 2017 W W - W - W October 2017 W W W - W November 2016 W W W - W Michigan November 2017 W W W - W October 2017 W W W - W October 2017 W W W - W October 2017 W W W - W November 2016 W W W - W November 2017 W W W W - W November 2017 W W W W 5,300.0 October 2017 W W W W 5,454.7 November 2016 W W W W 5,642.8 Missouri November 2017 - W W W W 3,791.9 November 2017 - 3,791.9 October 2017 3,794.5				· -				
Kentucky November 2017 W W - W October 2017 W W - W November 2016 W W - W Michigan W W - W November 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri W W W 3,791.9 November 2017 - W - 3,791.9 October 2017 - - - 3,746.5				· ⁻				
November 2017 W W - W October 2017 W W - W November 2016 W W - W Michigan W W - W November 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri W W W 3,791.9 November 2017 - W - 3,791.9 October 2017 - - - 3,746.5		VV	VV	-	4,318.1	196.		
October 2017 W W - W November 2016 W W - W Michigan W - W November 2017 W W - W October 2017 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri W W - 3,791.9 November 2017 - W - 3,791.9 October 2017 - - - 3,794.5								
November 2016 W W - W Michigan W W - W November 2017 W W - W October 2017 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,794.5				-				
Michigan November 2017 W W - W October 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5		W	W	-	W			
November 2017 W W - W October 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5	November 2016	W	W	-	W	\		
October 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 November 2017 W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5	Michigan							
October 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 November 2017 W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5	November 2017	W	W	-	W	\		
November 2016 W W - W Minnesota W W W 5,300.0 November 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5				<u>-</u>				
Minnesota November 2017 W W S,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5				-		\		
November 2017 W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri Sovember 2017 - W - 3,791.9 October 2017 - - - 3,746.5						·		
October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri V November 2017 - W - 3,791.9 October 2017 - - - 3,746.5		14/	\A/	14/	5 200 0	\		
November 2016 W W W 5,642.8 Missouri V - 3,791.9 November 2017 - - - 3,791.9 October 2017 - - - 3,746.5								
Missouri W - 3,791.9 November 2017 - - - 3,746.5 October 2017 - - - 3,746.5						'		
November 2017 - W - 3,791.9 October 2017 - - - 3,746.5		W	W	W	5,642.8	\		
October 2017 3,746.5								
			W					
November 2016 - W - 3,726.6				.				
	November 2016		W	<u> </u>	3,726.6			

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

	Conventional						
	Sales to end users		Sales for resale				
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bull		
PAD District 2 (cont.)							
Nebraska							
November 2017	W	W		1,766.7			
October 2017	W	W	-	1,708.0			
November 2016	W	W	-	1,927.6			
North Dakota							
November 2017	W	W	-	1,017.7			
October 2017	W	W	-	991.7			
November 2016	W	W	W	W			
Ohio							
November 2017	W	W	_	W	W		
October 2017	W	W		W	W		
November 2016	W	w		W	W		
Oklahoma	**	**		•••	**		
November 2017	W	W		4,441.4	589.3		
October 2017		W		4,441.4	406.0		
November 2016					334.6		
	VV	VV	-	4,653.7	334.0		
South Dakota							
November 2017		<u>W</u>	-	1,103.3			
October 2017	<u>W</u>	<u>W</u>	-	1,005.8			
November 2016	W	W	-	1,049.5	-		
Tennessee							
November 2017		W	-	W	W		
October 2017		W	-	10,450.4			
November 2016	W	592.4	W	W	-		
Wisconsin							
November 2017	W	55.4	W	4,355.7	W		
October 2017	W	57.5	W	4,264.6	W		
November 2016	W	56.1	W	W	-		
PAD District 3							
November 2017	1,057.0	1,104.9	W	W	W		
October 2017	1,106.0	1,144.5	W	38,127.8	W		
November 2016	1,245.9	W	69.9	37,499.1	10,550.5		
Alabama							
November 2017	-	W	_	5,009.8			
October 2017		W		5,092.3			
November 2016	W	182.0	W	W			
Arkansas	•						
November 2017	_	_	-	3,080.1			
October 2017	·	-	-	3,059.4			
November 2016		W		W			
Louisiana	**	**	**	***			
		14/		6,327.4	1,921.6		
November 2017	· 	<u>W</u>	-				
October 2017	· 	W	- 	6,447.8	1,433.9		
November 2016	-	W	-	6,555.3	1,820.8		
Mississippi							
November 2017	-	-	-	W			
October 2017				<u>W</u>			
November 2016	W	15.1	-	W	W		
New Mexico							
November 2017	W	485.0	W	$-\ -\ -\ -\ -\ -\ -\ \underline{W}-\ -\ -\ -\ -$			
October 2017	W	500.4	W	W			
November 2016	455.4	465.1	W	W			
Texas							
November 2017		NA	W	W	W		
October 2017		NA	W	W	W		
November 2016	W	W	W	W	W		

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

	Reformulated						
Geographic area month	Sales to end users		Sales for resale				
	Through retail outlets	Total[a]	DTW	Rack	Bu		
PAD District 2 (cont.)							
Nebraska							
November 2017		_		_			
October 2017							
			· 	· - 			
November 2016	-	-	-	-			
North Dakota							
November 2017	-	-	-				
October 2017	-	-	-	-			
November 2016	-		<u>-</u>	<u>.</u>			
Ohio							
November 2017							
	-		· -	- 			
October 2017	.	-		-			
November 2016	-	-	-	-			
Oklahoma							
November 2017	-	-	_	-			
October 2017	<u>-</u>		<u>-</u>				
November 2016							
South Dakota							
November 2017	.	-	-	-			
October 2017	- -	-	-	-			
November 2016	-	-	-	-			
Tennessee							
November 2017				_			
October 2017							
			-				
November 2016	-	-	-	-			
Wisconsin							
November 2017	W	W	-	1,621.2			
October 2017	W	W	-	1,619.9			
November 2016	W	W	-	1,688.3			
PAD District 3							
				147			
November 2017		-	-	W			
October 2017	-	-	-	16,467.4			
November 2016	-	W	-	15,567.0			
Alabama							
November 2017	-	-	-	-			
October 2017	-						
November 2016							
	_	_	_	_			
Arkansas							
November 2017	.	-	-	-			
October 2017	-	-	-	-			
November 2016	-	-	-	-			
Louisiana							
November 2017							
			· 				
October 2017	-	-	-	-			
November 2016	-	-	-	-			
Mississippi							
November 2017	-	-	-	-			
October 2017	-	-	<u>-</u>	-			
November 2016			·	-			
New Mexico							
November 2017	-	-	_ 	_ 			
October 2017	.	-	-	-			
November 2016	-	-	-	-			
Texas							
November 2017				W			
October 2017		_	-				
November 2016	-	-	-	· W			
				۱۸/			

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

	All formulations						
	Sales to end users		Sales for resale				
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bul		
PAD District 2 (cont.)							
Nebraska							
November 2017	W	W	-	1,766.7			
October 2017	W	W	-	1,708.0			
November 2016	W	W	-	1,927.6			
North Dakota							
November 2017	W	W	_	1,017.7			
October 2017	W	W		991.7			
November 2016		W	W	W			
Ohio			••				
November 2017	W	W		W	V		
October 2017	W			W W	<u>v</u>		
							
November 2016	W	W	-	VV	V		
Oklahoma							
November 2017	<u>W</u>	W	-	4,441.4	589.3		
October 2017		W	-	4,485.5	406.0		
November 2016	W	W	-	4,653.7	334.6		
South Dakota							
November 2017		W	-	1,103.3			
October 2017	W W	W		1,005.8			
November 2016	W	W	-	1,049.5			
Tennessee							
November 2017	W	W	-	W	W		
October 2017	W	W		10,450.4			
November 2016	W	592.4	w	W			
Wisconsin							
November 2017	W	W	W	5,976.9	W		
October 2017		W		5,884.6	W		
November 2016	W		vv	W	<u>v</u> v		
	VV	VV	VV	vv			
PAD District 3							
November 2017	1,057.0	1,104.9	W	53,582.3	W		
October 2017	1,106.0	1,144.5	W	54,595.3	W		
November 2016	1,245.9	1,281.1	69.9	53,066.1	10,550.5		
Alabama							
November 2017		W		5,009.8			
October 2017	-	W	-	5,092.3			
November 2016	W	182.0	W	W			
Arkansas							
November 2017	-	-	-	3,080.1			
October 2017	-			3,059.4			
November 2016	W	W	W	W			
Louisiana							
November 2017		W		6,327.4	1,921.6		
October 2017		vv	-				
		W	-	6,447.8	1,433.9		
November 2016	-	VV	-	6,555.3	1,820.8		
Mississippi							
November 2017	-		-	<u>W</u>			
October 2017			-	<u>W</u>			
November 2016	W	15.1	-	W	W		
New Mexico							
November 2017		485.0	W	W			
October 2017		500.4	W	W			
November 2016	455.4	465.1	W	W			
Texas							
November 2017	W	NANA	W	34,364.5	W		
October 2017	w	NA	W	35,100.6			
November 2016	W	W	W	33,557.1	W		

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

		Conventional					
Geographic area month	Sales to end users		Sales for resale				
	Through retail outlets	Total[a]	DTW	Rack	Bul		
PAD District 4							
November 2017	W	496.9	W	12,710.4	V		
October 2017	W	527.1	W	13,274.5	V		
November 2016	514.0	536.7	W	12,399.9	V		
Colorado							
November 2017	216.2	221.6	W	5,430.1	٧		
October 2017	231.3	235.2	W	5,676.5	V		
November 2016	232.7	236.9	W	W			
Idaho							
November 2017	W	W	_	1,563.2			
October 2017	W	W		1,615.6			
November 2016				1,446.9			
Montana		**		1,440.5			
	W	W		1 400 0			
November 2017				1,498.0			
October 2017			· 	1,688.3			
November 2016	W	W	-	1,375.4			
Utah							
November 2017	W	W	W	3,253.8			
October 2017	W	W	W	3,282.7			
November 2016	W	W	W	W	\		
Wyoming							
November 2017	W	11.9	.	965.3			
October 2017	W W	13.1	.	1,011.5			
November 2016	W	14.8	-	1,129.9			
PAD District 5							
November 2017	1,394.5	1,469.9	W	13,569.0	V		
October 2017	W	1,530.6	VV W	W	V		
November 2016	vv	W	vv W		V		
	VV	VV	VV	VV	V		
Alaska			0.5.0				
November 2017		<u>W</u>	96.3		<u>`</u>		
October 2017		<u>W</u>	101.7				
November 2016	W	W	95.8	W	\		
Arizona							
November 2017		W	267.2	W			
October 2017		W	481.9	W			
November 2016	W	W	478.5	W			
California							
November 2017			.				
October 2017							
November 2016	-	-	-	-	\		
Hawaii							
November 2017	W	W	W	W	\		
October 2017		W	W	W			
November 2016	- W	W	W	W	N.		
Nevada		••	••	••	• • •		
November 2017	W	W	W	1,801.1	V		
October 2017		W		1,843.1	V		
November 2016		<u>v</u> v W	v v	1,667.9	V		
	VV	vv	VV	1,007.5	`		
Oregon	442.4	442.4	14/	2 202 7			
November 2017	113.1	113.1	W	3,392.7	126		
October 2017	115.3	115.3	952.9	3,421.6	136		
November 2016	112.4	112.4	W	2,732.3	\		
Washington							
November 2017	391.8	403.3	W	5,757.1	V		
October 2017	422.6	429.9	W	6,070.9			
November 2016	313.4	315.9	W	5,572.1	\		

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

	Reformulated						
	Sales to end users		Sales for resale				
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bul		
PAD District 4							
November 2017							
October 2017							
November 2016	-	-	-	-			
Colorado							
November 2017	-	-	_	_			
October 2017			-	<u>-</u>			
November 2016			-	<u>-</u>			
Idaho							
November 2017	_		_	_			
October 2017	<u>-</u>	<u>-</u>					
November 2016	<u>-</u>	<u>-</u>					
Montana							
November 2017			_				
October 2017	-						
November 2016	-	-	-	-			
Utah							
November 2017							
October 2017	-	-					
November 2016	-	-	-	-			
Wyoming							
November 2017	<u>-</u>	<u>-</u>	-	<u>-</u>			
October 2017	-		<u>-</u>				
November 2016	-	-	-	-			
DAD District F							
PAD District 5 November 2017	4 101 C	4,185.5	W	21,362.9	\		
October 2017	4,181.6						
		4,530.9	W				
November 2016	VV	W	W	VV	\		
Alaska							
November 2017	-						
October 2017	-						
November 2016	-	-	-	-			
Arizona							
November 2017	-	W	W	W			
October 2017	-	W	W	W			
November 2016	-	W	W	W	1		
California							
November 2017	4,181.6	W	15,229.5	W			
October 2017	W	W	15,324.2	19,032.6	\		
November 2016	W	W	15,638.6	18,049.5	1		
Hawaii							
November 2017	-	-	-	-			
October 2017	-		-	-			
November 2016	-						
Nevada							
November 2017		_	_	_			
October 2017	<u>-</u>	<u>-</u>					
November 2016		-					
Oregon	-	-	-	-			
November 2017 October 2017				-			
	-			-			
November 2016	-	-	-	-			
Washington							
November 2017							
October 2017							
November 2016	-	-	-	-			

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bull
PAD District 4					
November 2017	W	496.9	W	12,710.4	W
October 2017	W	527.1	W	13,274.5	W
November 2016	514.0	536.7	W	12,399.9	W
Colorado					
November 2017	216.2	221.6	W	5,430.1	W
October 2017	231.3	235.2	W	5,676.5	W
November 2016	232.7	236.9	W	W	
Idaho					
November 2017	W	W	_	1,563.2	
October 2017				1,615.6	
November 2016	W			1,446.9	
Montana	**	**		1,440.5	
November 2017	W	W		1,498.0	
October 2017					
				1,688.3	·
November 2016	W	W	-	1,375.4	-
Utah					
November 2017	W	W	W	3,253.8	W
October 2017		W	W	3,282.7	W
November 2016	W	W	W	W	W
Wyoming					
November 2017	W	11.9		965.3	
October 2017	W	13.1		1,011.5	
November 2016	W	14.8	-	1,129.9	
PAD District 5					
November 2017	5,576.1	5,655.4	20,039.4	34,931.8	2,137.8
October 2017	5,991.2	6,061.5	20,464.0	35,682.5	2,181.0
November 2016	5,614.1	5,664.1	W	33,459.6	W
Alaska	-,	5,55		23,12312	
November 2017	W	W	96.3	W	W
October 2017			101.7	W	W
November 2016			95.8		W
	vv	VV	93.6	VV	VV
Arizona				4.004.2	
November 2017	<u>W</u>	W	W	4,901.2	W
October 2017	<u>W</u>		<u>W</u>	4,686.7	W
November 2016	W	W	W	4,774.2	W
California					
November 2017	4,181.6	4,183.4	15,229.5	18,458.0	1,497.2
October 2017	4,526.1	4,527.9	15,324.2	19,032.6	1,635.7
November 2016	W	W	15,638.6	18,049.5	2,170.3
Hawaii					
November 2017	W W	W	W	W	W
October 2017	W	W	W	W	W
November 2016	W	W	W	W	NA
Nevada					
November 2017	W	W	W	1,801.1	W
October 2017	W	W	W	1,843.1	W
November 2016	W	W	W	1,667.9	W
Oregon			••	2,000	**
November 2017	113.1	113.1	W	3,392.7	W
October 2017	115.3	115.3	952.9	3,392.7	136.4
November 2016					
	112.4	112.4	W	2,732.3	W
Washington					
November 2017	391.8	403.3	W	5,757.1	W
October 2017	422.6	429.9	W	6,070.9	W
November 2016	313.4	315.9	W	5,572.1	W

^{- =} No data reported.

W = Withheld to avoid disclosure of individual company data.

[[]a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."